

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 64476NAT(46342) U.S. APPLICATION NO. 10/557351 (if known, see 37 CFR 1.5)
INTERNATIONAL APPLICATION NO. PCT/JP2004/007667	INTERNATIONAL FILING DATE 27 May 2004	PRIORITY DATE CLAIMED 28 May 2003
TITLE OF INVENTION ANTIBODY AND USE THEREOF		
APPLICANT(S) FOR DO/EO/US Masaaki Mori et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.		
2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.		
3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input type="checkbox"/> The US has been elected (Article 31).		
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))		
a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).		
b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.		
c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).		
6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).		
a. <input checked="" type="checkbox"/> is attached hereto.		
b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).		
7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))		
a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).		
b. <input type="checkbox"/> have been communicated by the International Bureau.		
c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.		
d. <input type="checkbox"/> have not been made and will not be made.		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
Items 11 to 20 below concern document(s) or information included:		
11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98., Form PTO/SB/08 (1 page) and 5 references		
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13. <input type="checkbox"/> A preliminary amendment.		
14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15. <input type="checkbox"/> A substitute specification.		
16. <input type="checkbox"/> A power of attorney and/or change of address letter.		
17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.		
18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if filed in U.S.) <div style="font-size: 2em; font-weight: bold; text-align: center;">10/557351</div>	INTERNATIONAL APPLICATION NO. PCT/JP2004/007667	ATTORNEY'S DOCKET NUMBER 64476NAT(46342)	
20. <input checked="" type="checkbox"/> Other items or information: Figure 1-28 (28 sheets); Sequence Listing (15 pages); Sequence Statement (2 pages); Sequence Diskette; PCT Request (5 pages); Copy of Cover Page of Published PCT Application No. WO 2004/106382 A1; Copy of International Search Report (Form PCT/ISA/210) (6 pages); Copy of Form PCT/IB/304, PCT/IB/306, Six (6) Receipts in the Case of Original Deposit and translations thereof (12 pages total); & Return Receipt Postcard.			
The following fees have been submitted		CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) \$300		\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 All other situations \$200		\$ 200.00	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$400 All other situations \$500		\$ 400.00	
TOTAL OF 21, 22 and 23 =		\$ 900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.			
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE
92 - 100 =	/50 =		x \$250.00
			\$
Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	83 - 20 =	63	x 50.00
Independent claims	3 - 3 =	0	x
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+	360.00
TOTAL OF ABOVE CALCULATIONS =		\$ 4,410.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.			
SUBTOTAL =		\$ 4,410.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		\$	
TOTAL NATIONAL FEE =		\$ 4,410.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$	
TOTAL FEES ENCLOSED =		\$ 4,410.00	
		Amount to be refunded:	\$
		Amount to be charged	\$

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.


- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 04-1105 in the amount of \$ 4,410.00 to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit
Account No. 04-1105 . A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information
should not be included on this form. Provide credit card information and authorization on PTO-2038

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be
filed an granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

David G. Conlin
EDWARDS ANGELL PALMER & DODGE LLP
P.O. Box 55874
Boston, Massachusetts 02205
(617) 439-4444

CUSTOMER NUMBER: 21874



SIGNATURE

Jonathan M. Sparks, Ph.D.

NAME

53,624

REGISTRATION NUMBER

AP4 Rec'd PCT/PTO 18 NOV 2005

10/557351

Application No. (if known): Not Yet Assigned

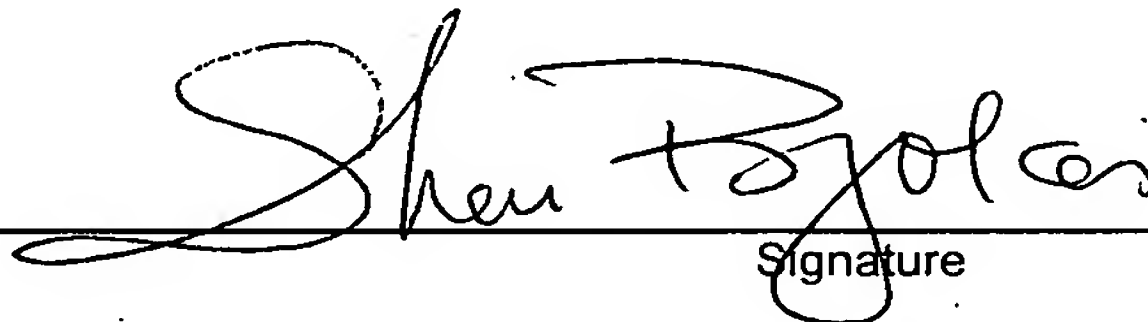
Attorney Docket No.: 64476NAT(46342)

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV 754 867 875 US in an envelope addressed to:

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P.O. Box 1450
Alexandria, VA 22313-1450

on 18 November 2005
Date



Signature

Sharon Bizokas

Typed or printed name of person signing Certificate

Registration Number, if applicable

(617) 439-4444

Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Fee Transmittal (1 page);
Transmittal Letter to the United States Designated-Elected Office (3 pages);
Specification including claims & abstract (64 pages); Figures 1-28 (28 sheets);
Sequence Listing (15 pages); Sequence Statement (2 pages); Sequence Diskette;
PCT Request (5 pages); Copy of Cover Page of Published PCT Application No. WO
2004/106382 A1; Copy of International Search Report and English Translation thereof
(Form PCT/ISA/210) (6 pages);
Copy of Form PCT/IB/304 & PCT/IB/306;
Six (6) Receipts in the Case of Original Deposit and translations thereof (12 pages total);
Information Disclosure Statement (2 pages), Form PTO-1449 (1 page) and 5 references;
Declaration and Power of Attorney (4 pages);
First Preliminary Amendment (11 pages); and
Return Receipt Postcard.
Charge \$4,410.00 to deposit account 04-1105

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL For FY 2005		Complete if Known Application Number: Not Yet Assigned 10/557351 Filing Date: Concurrently Herewith First Named Inventor: Masaaki Mori Examiner Name: Not Yet Assigned Art Unit: N/A Attorney Docket No.: 64476NAT(46342)	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27			
TOTAL AMOUNT OF PAYMENT (\$ 4,410.00			

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 04-1105 Deposit Account Name: Edwards Angell Palmer & Dodge LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims
83	- 20 = 63	x 50 =	3150.00	
				Fee (\$) Fee Paid (\$)
				360.00 360.00

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
3	- 3 = 0	x 0 =	

3. APPLICATION SIZE FEE

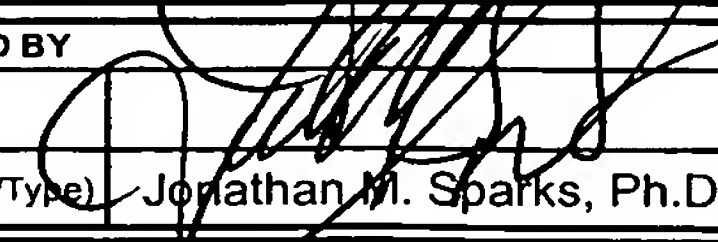
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
92	- 100 =	/50 (round up to a whole number) x		

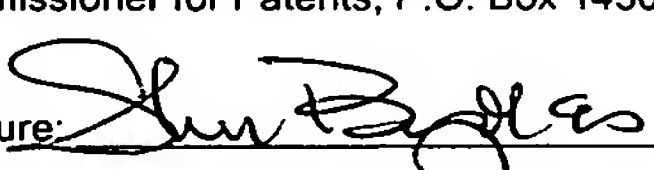
4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)	
Other (e.g., late filing surcharge):	
1631 Basic National Stage fee	300.00
1633 National Stage Examination Fee - all other ...	200.00
1632 National Stage Search Fee - all other situations	400.00
1615 National Stage claims - extra total (over twenty)	3,150.00
1614 National Stage claims - multiple dependent	360.00

SUBMITTED BY

Signature: 	Registration No. (Attorney/Agent): 53,624	Telephone: (617) 439-4444
Name (Print/Type): Jonathan M. Sparks, Ph.D.	Date: November 18, 2005	

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 754 867 875 US, in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: November 18, 2005 Signature:  (Sharon Bizokas)